

- 1 -  
piece 1, NC\_000913, cedA\_katE-, config: linear, direction: -, begin: 1811920, end: 1811668

\*1811920 \* \*1811910 \* \*1811900 \* \*1811890 \* \*1811880 \* \*1811870 \* \*1811860 \* \*1811850 \* \*1811840  
5' a t g t g g g t t c t t c g t t a g c a t t g a a c t g t c t c c t a a t t a t t a c t g a a a g g g c c g t t g g t c a a a a 3'  
-fMet - trp - val - leu - phe - val - met - leu - arg - his  
- cys - gly - phe - phe - ser - leu - cys - cys - asp - ile - glu - leu - val - ser - leu - ile - tyr - tyr  
- val - gly - ser - phe - arg - tyr - val - ala - thr - leu - asn - ser - ser - pro -  
- fMet - val - lys - lys -

... NC\_000913.katE p10 4.4 bits

p35 4.2 bits

\*1811830 \* \*1811820 \* \*1811810 \* \*1811800 \* \*1811790 \* \*1811780 \* \*1811770 \* \*1811760  
5' a a c t c t c t a a c t a t a g a c c a c c a g c c a g a t c c c g c t t c g g a g a c t a t t c t g g a a a c c g g t t a t g a a a t a c a c g c a a a g c g 3'  
- leu - ser - asn - tyr - arg - pro - pro - ala - arg - ser - arg - phe - glv - asp - tyr - ser - gly - asn - gly - val - met - lvs - tyr - thr - din - ser - gly -  
- fMet - leu - sd ir cedA\_katE-

{ p35-(23)-p10 1811875 Gap 1.4 bits  
| p35-p10 1811875 total 7.2 bits

{ sd-(11)-ir 1811777 Gap 3.0 bits  
| sd-ir 1811777 cedA\_katE- total 10.6 bits

\*1811750 \* \*1811740 \* \*1811730 \* \*1811720 \* \*1811710 \* \*1811700 \* \*1811690 \* \*1811680  
5' g g a c g t a c a g g g g c t a a a t c a g g c t a a a c t a c a g t t t c t g a t t t t a a t a t g c g t t t a g t q a a g c c a g t a t q a a g a a a c 3'  
- thr - tyr - arg - gly - orf 12 codons - fMet - arg - leu - val - lys - pro - val - met - lys - lys - pro -  
... NC\_000913.cedA ... ir

{ sd-(10)-ir 1811687 Gap 2.7 bits  
| sd-ir 1811687 cedA\_katE- total 6.2 bits

\*1811670  
5' c g c t c c g c c a 3'  
- fMet - leu - arg -

... NC\_000913.cedA

ir cedA\_katE-